

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG080122\
 Data File : BG054465.D
 Acq On : 1 Aug 2022 15:17
 Operator : CG/JU
 Sample : N3894-11
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RVE-30

Quant Time: Aug 02 05:45:48 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 28 04:30:50 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

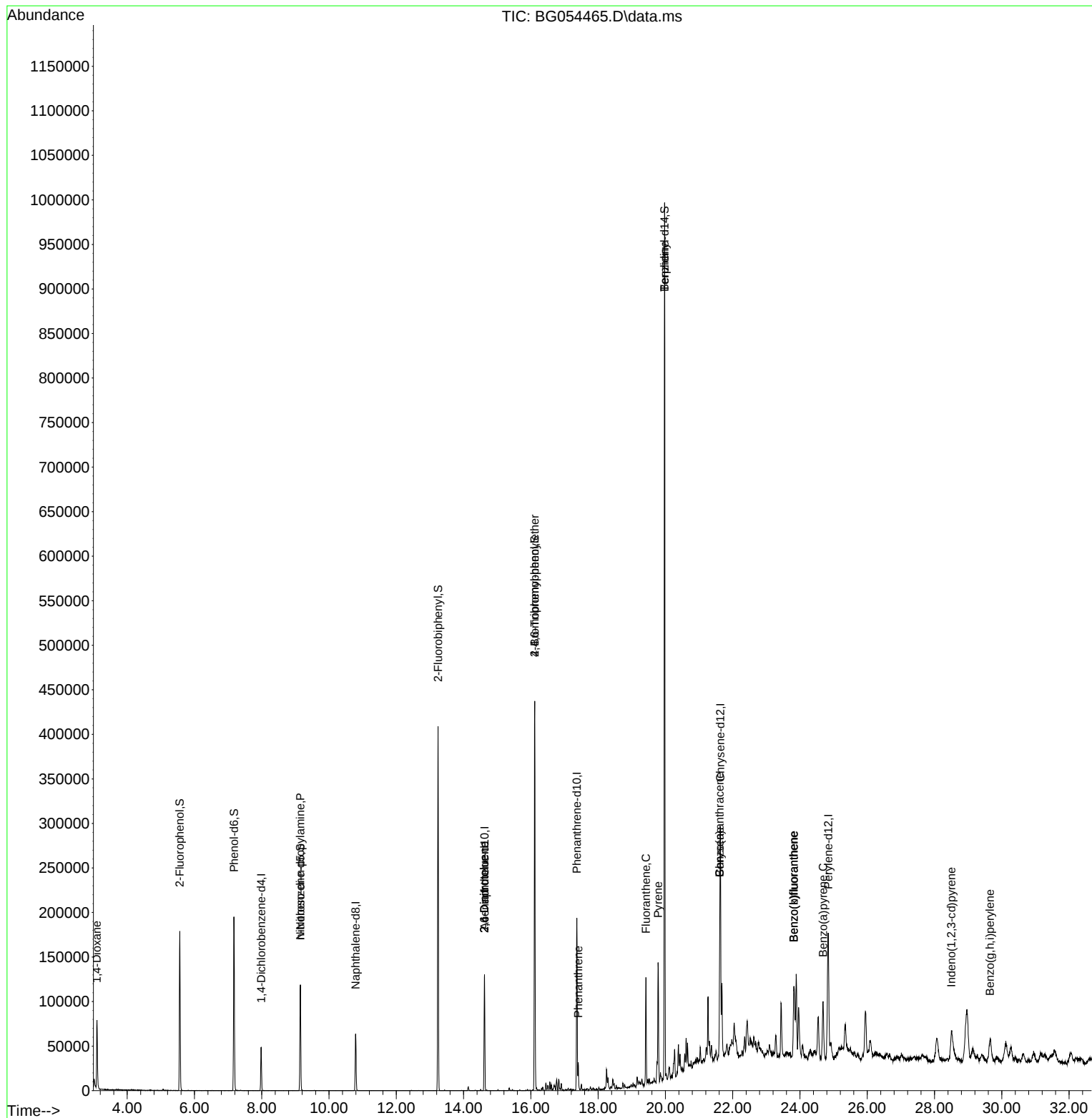
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.984	152	15816	20.000	ng	0.00
21) Naphthalene-d8	10.792	136	60369	20.000	ng	# 0.00
39) Acenaphthene-d10	14.623	164	52024	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	142030	20.000	ng	# 0.00
76) Chrysene-d12	21.633	240	159559	20.000	ng	# 0.00
86) Perylene-d12	24.841	264	169162	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	80683	106.510	ng	0.00
7) Phenol-d6	7.173	99	111072	107.008	ng	0.00
23) Nitrobenzene-d5	9.147	82	72807	65.677	ng	0.00
42) 2,4,6-Tribromophenol	16.116	330	120645	110.449	ng	0.00
45) 2-Fluorobiphenyl	13.243	172	236027	64.002	ng	0.00
79) Terphenyl-d14	19.976	244	572300	71.154	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.096	88	855	2.837	ng	# 1
9) Benzaldehyde	7.179	77	117	Below Cal		# 10
19) n-Nitroso-di-n-propyla...	9.147	70	10497	15.144	ng	# 77
51) 2,6-Dinitrotoluene	14.617	165	7205	8.084	ng	# 16
57) 2,4-Dinitrotoluene	14.617	165	7205	5.639	ng	# 21
67) 4-Bromophenyl-phenylether	16.116	248	7172	3.595	ng	# 1
71) Phenanthrene	17.408	178	21997	3.110	ng	97
75) Fluoranthene	19.424	202	86130	8.933	ng	96
77) Benzidine	19.976	184	7575	2.621	ng	# 90
78) Pyrene	19.782	202	87784	9.588	ng	99
81) Benzo(a)anthracene	21.615	228	68953	6.808	ng	97
83) Chrysene	21.615	228	68953	7.206	ng	94
87) Indeno(1,2,3-cd)pyrene	28.501	276	62014	4.819	ng	# 98
88) Benzo(b)fluoranthene	23.818	252	116235	11.619	ng	98
89) Benzo(k)fluoranthene	23.818	252	116235	11.675	ng	97
90) Benzo(a)pyrene	24.688	252	75347	8.819	ng	99
92) Benzo(g,h,i)perylene	29.647	276	62811	6.014	ng	# 92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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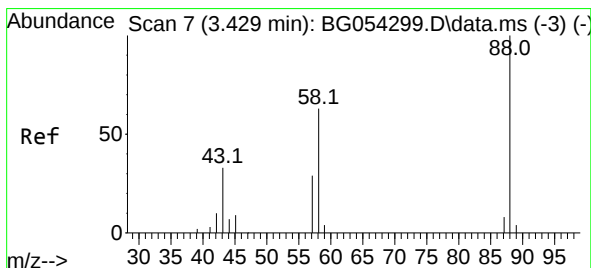
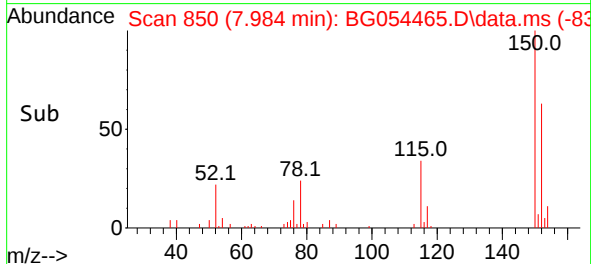
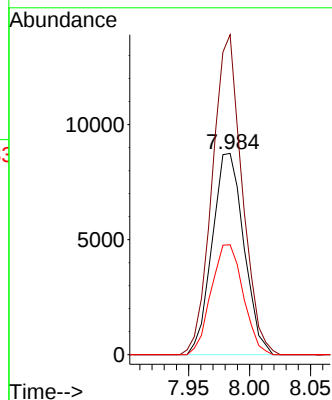
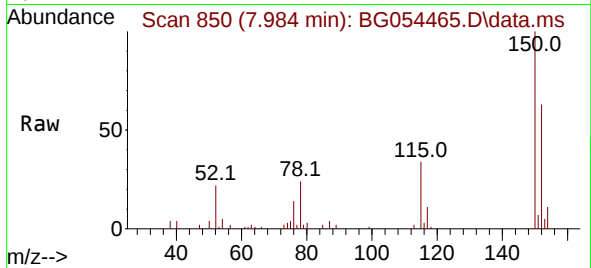




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.984 min Scan# 81
 Delta R.T. -0.004 min
 Lab File: BG054465.D
 Acq: 1 Aug 2022 15:17

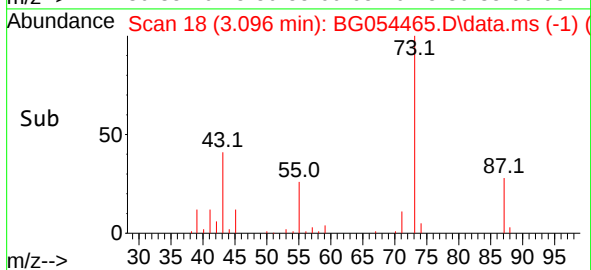
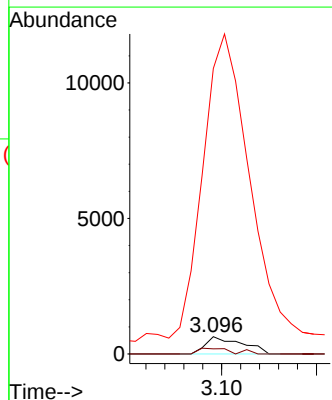
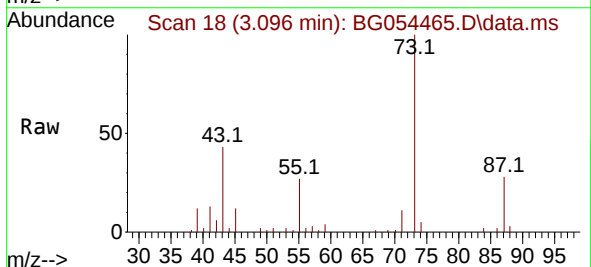
Instrument :
 BNA_G
 ClientSampleId :
 RVE-30

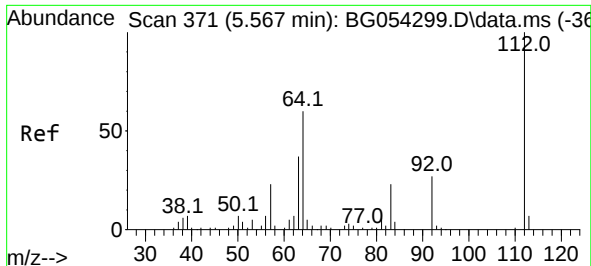
Tgt Ion:152 Resp: 15816
 Ion Ratio Lower Upper
 152 100
 150 159.0 131.6 197.4
 115 54.6 50.9 76.3



#2
 1,4-Dioxane
 Concen: 2.837 ng
 RT: 3.096 min Scan# 18
 Delta R.T. -0.322 min
 Lab File: BG054465.D
 Acq: 1 Aug 2022 15:17

Tgt Ion: 88 Resp: 855
 Ion Ratio Lower Upper
 88 100
 58 31.3 59.2 88.8#
 43 2528.7 24.3 36.5#

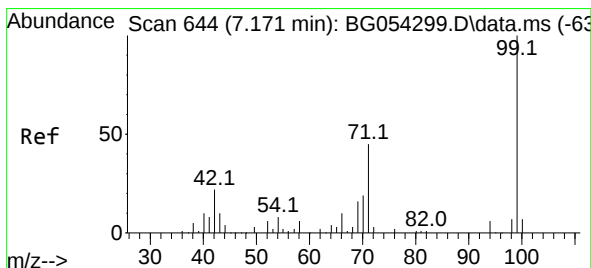
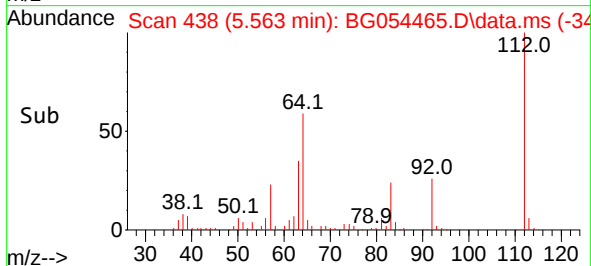
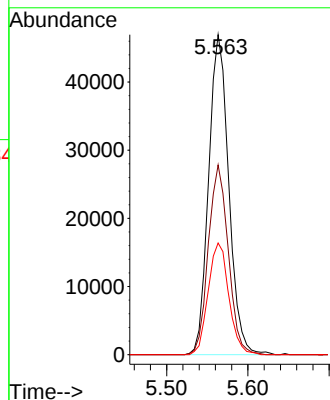
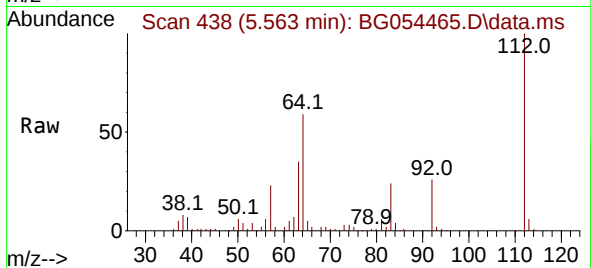




#5
2-Fluorophenol
Concen: 106.510 ng
RT: 5.563 min Scan# 41
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

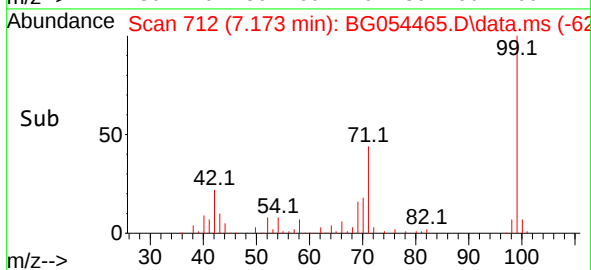
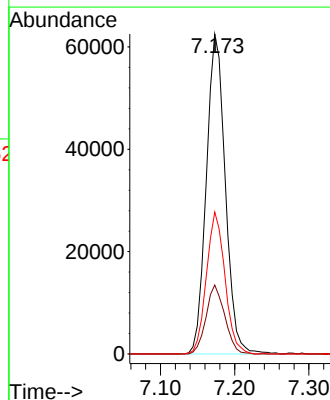
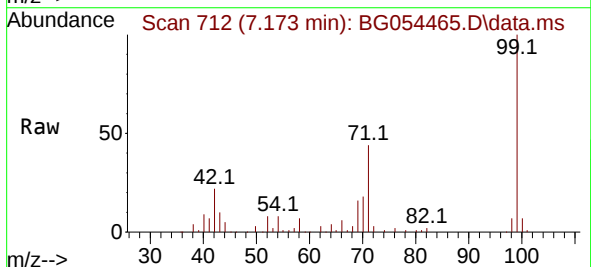
Instrument :
BNA_G
ClientSampleId :
RVE-30

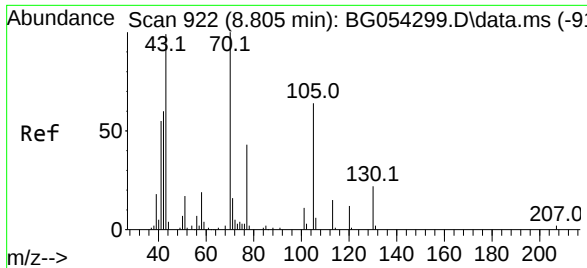
Tgt Ion:112 Resp: 80683
Ion Ratio Lower Upper
112 100
64 59.3 55.1 82.7
63 34.9 30.4 45.6



#7
Phenol-d6
Concen: 107.008 ng
RT: 7.173 min Scan# 712
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion: 99 Resp: 111072
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 44.3 33.8 50.8

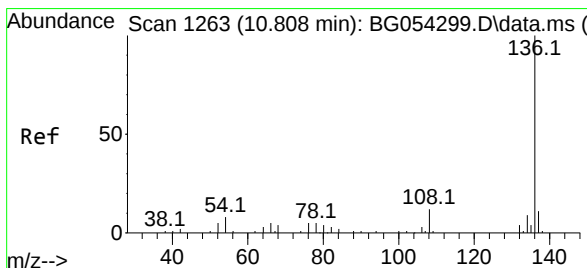
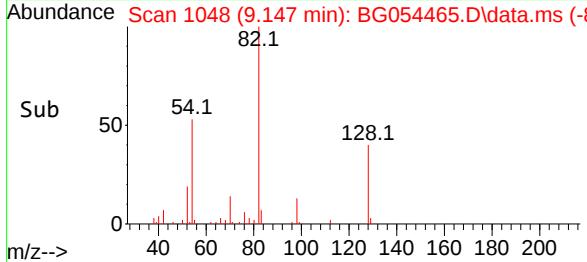
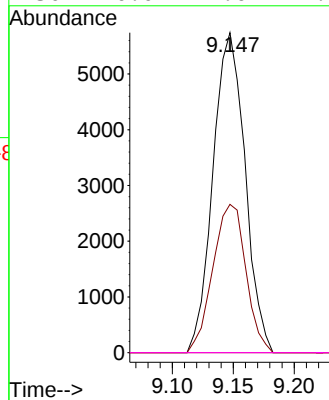
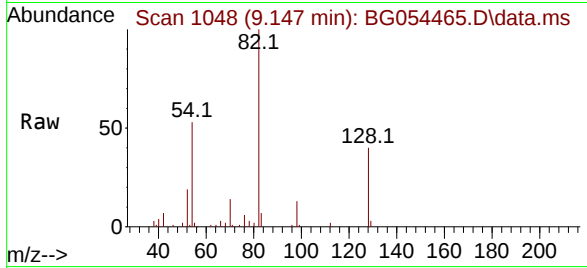




#19
n-Nitroso-di-n-propylamine
Concen: 15.144 ng
RT: 9.147 min Scan# 1048
Delta R.T. 0.354 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

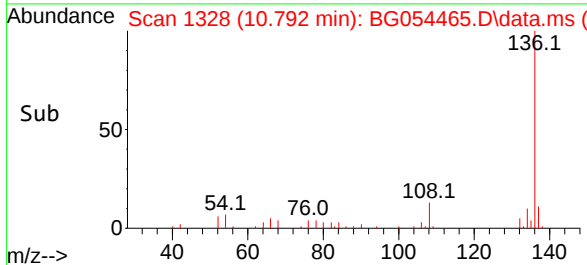
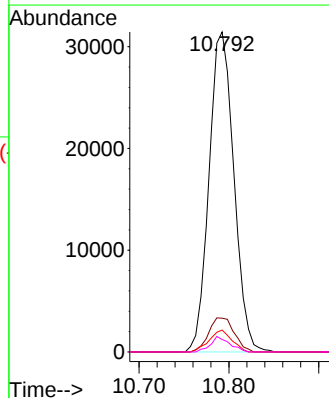
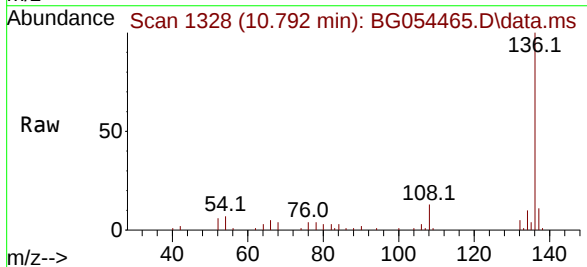
Instrument :
BNA_G
ClientSampleId :
RVE-30

Tgt Ion: 70 Resp: 10497
Ion Ratio Lower Upper
70 100
42 46.4 47.3 70.9#
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.792 min Scan# 1328
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion: 136 Resp: 60369
Ion Ratio Lower Upper
136 100
137 10.5 8.5 12.7
54 6.8 7.4 11.2#
68 3.9 4.9 7.3#

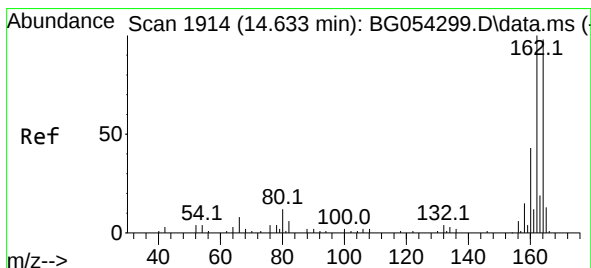
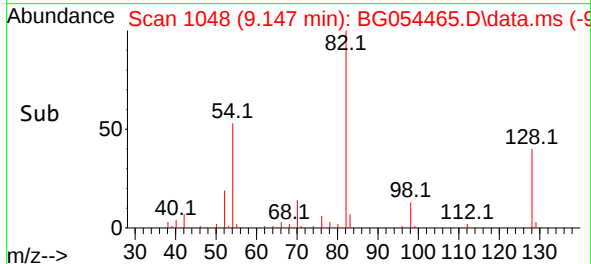
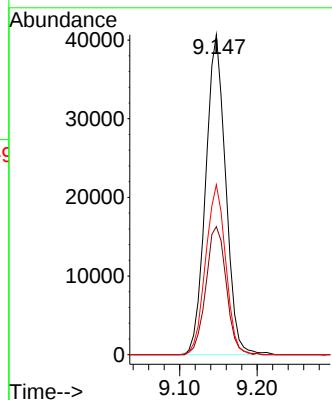
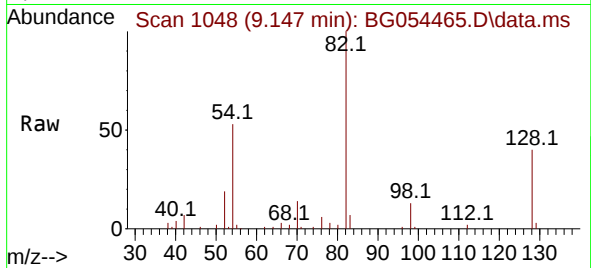




#23
Nitrobenzene-d5
Concen: 65.677 ng
RT: 9.147 min Scan# 1048
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

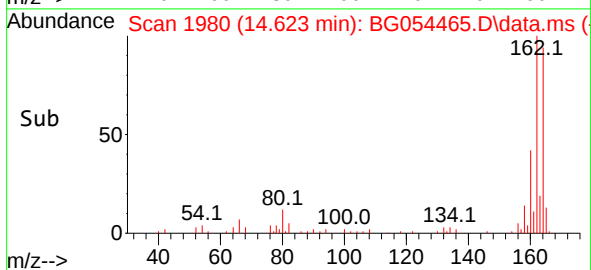
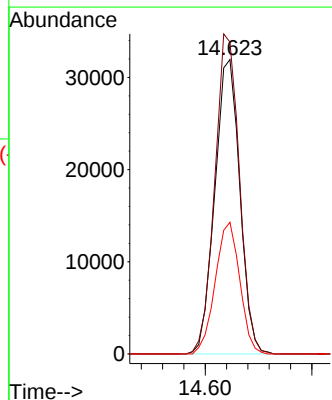
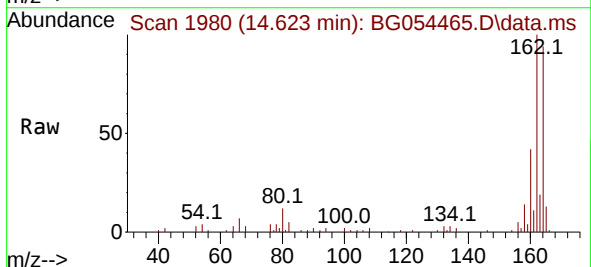
Instrument :
BNA_G
ClientSampleId :
RVE-30

Tgt Ion: 82 Resp: 72807
Ion Ratio Lower Upper
82 100
128 40.0 27.9 41.9
54 53.1 41.2 61.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.623 min Scan# 1980
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion:164 Resp: 52024
Ion Ratio Lower Upper
164 100
162 105.9 82.3 123.5
160 44.7 34.2 51.2

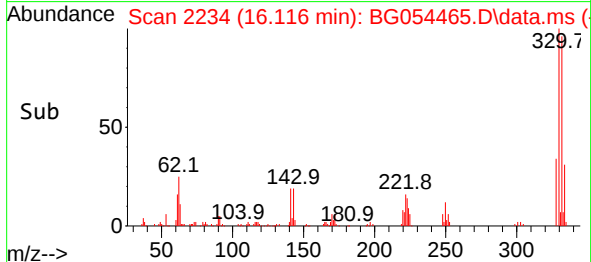
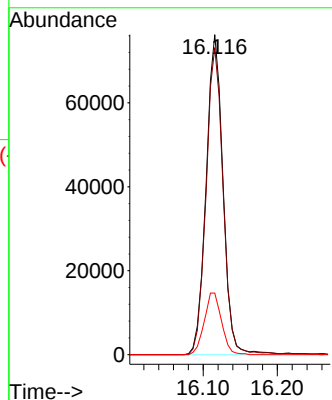
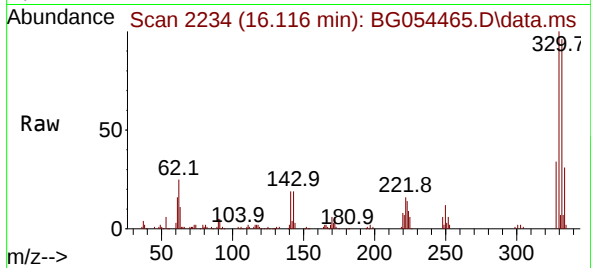




#42
 2,4,6-Tribromophenol
 Concen: 110.449 ng
 RT: 16.116 min Scan# 2168
 Delta R.T. 0.001 min
 Lab File: BG054465.D
 Acq: 1 Aug 2022 15:17

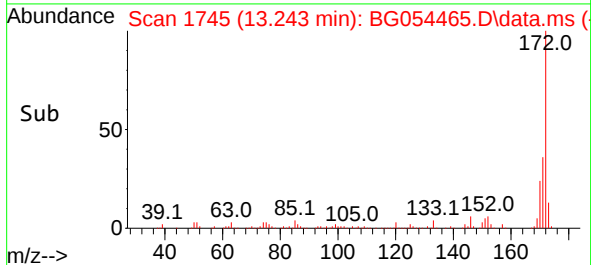
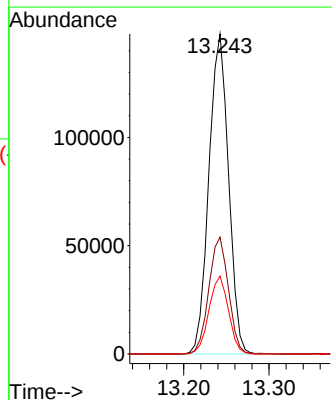
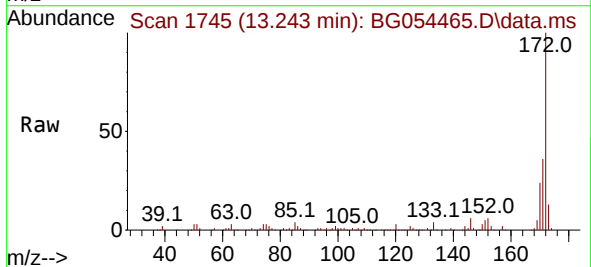
Instrument :
 BNA_G
 ClientSampleId :
 RVE-30

Tgt Ion:330 Resp: 120645
 Ion Ratio Lower Upper
 330 100
 332 96.2 76.0 114.0
 141 19.7 27.1 40.7#



#45
 2-Fluorobiphenyl
 Concen: 64.002 ng
 RT: 13.243 min Scan# 1745
 Delta R.T. -0.004 min
 Lab File: BG054465.D
 Acq: 1 Aug 2022 15:17

Tgt Ion:172 Resp: 236027
 Ion Ratio Lower Upper
 172 100
 171 36.5 28.5 42.7
 170 24.3 18.9 28.3

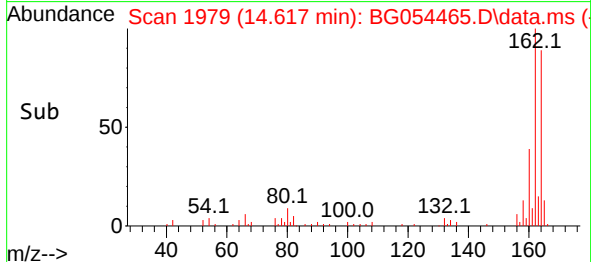
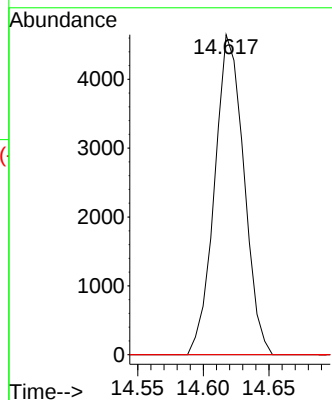
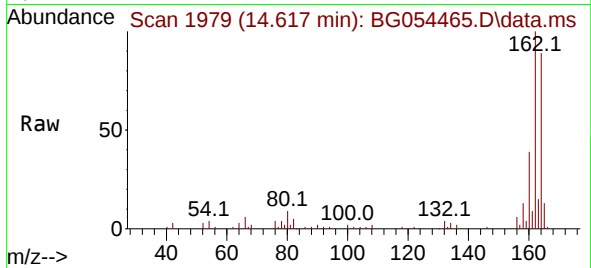




#51
2,6-Dinitrotoluene
Concen: 8.084 ng
RT: 14.617 min Scan# 1979
Delta R.T. 0.419 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

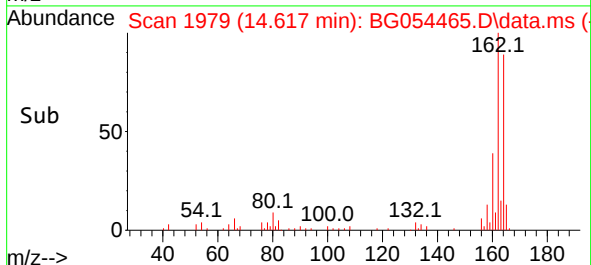
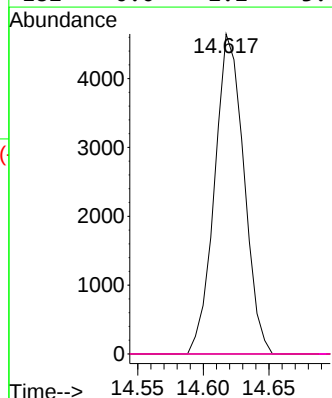
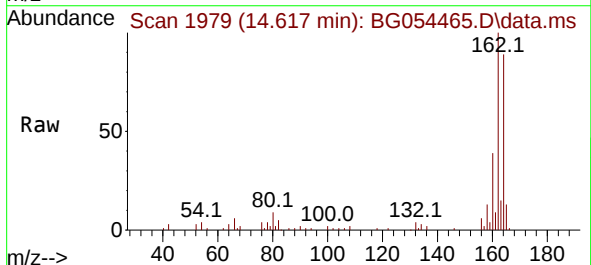
Instrument :
BNA_G
ClientSampleId :
RVE-30

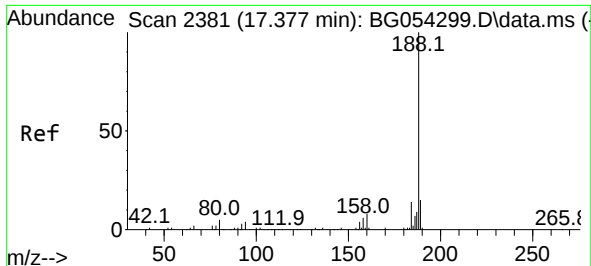
Tgt Ion:165 Resp: 7205
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#



#57
2,4-Dinitrotoluene
Concen: 5.639 ng
RT: 14.617 min Scan# 1979
Delta R.T. -0.375 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion:165 Resp: 7205
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

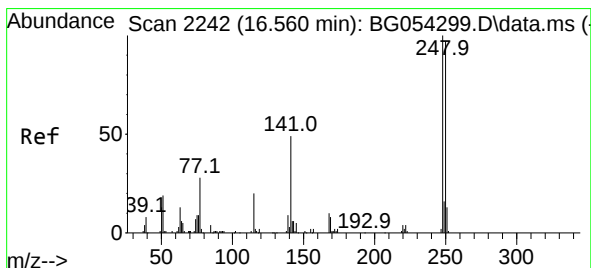
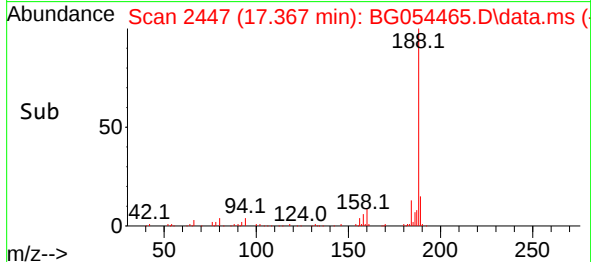
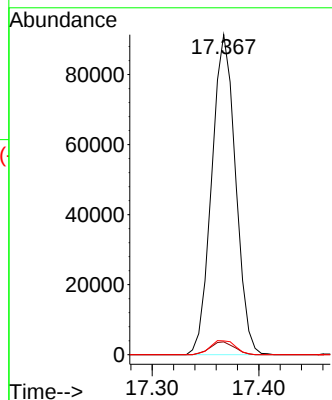
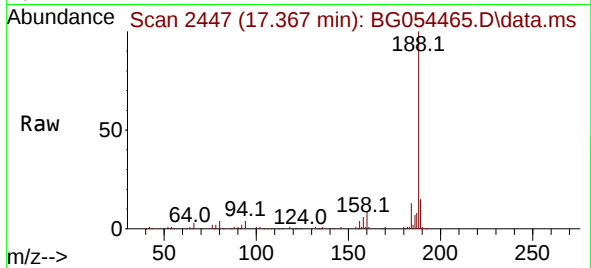




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

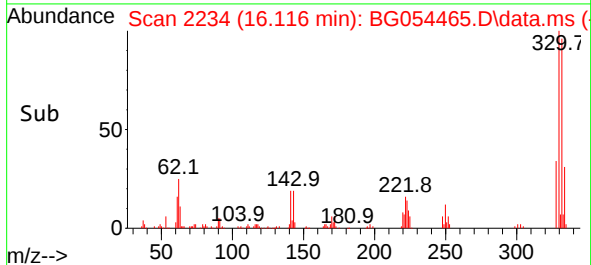
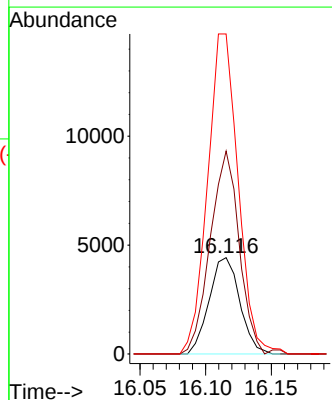
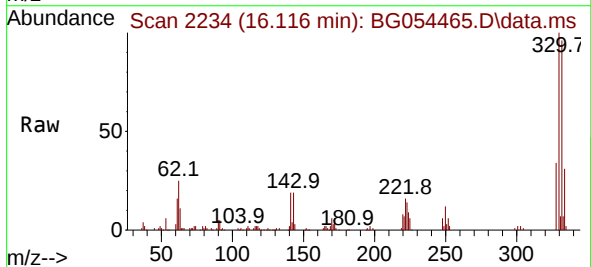
Instrument :
BNA_G
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RVE-30

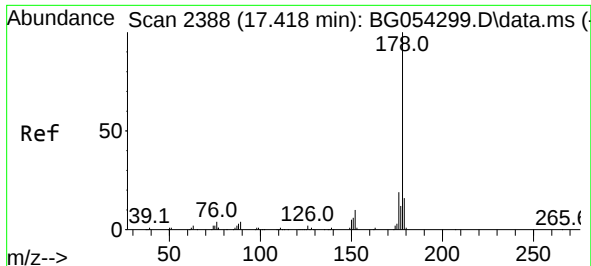
Tgt Ion:188 Resp: 142030
Ion Ratio Lower Upper
188 100
94 4.0 5.4 8.0#
80 4.3 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 3.595 ng
RT: 16.116 min Scan# 2234
Delta R.T. -0.439 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion:248 Resp: 7172
Ion Ratio Lower Upper
248 100
250 262.6 75.2 112.8#
141 332.2 50.0 75.0#

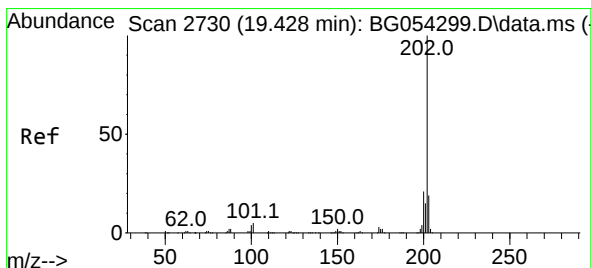
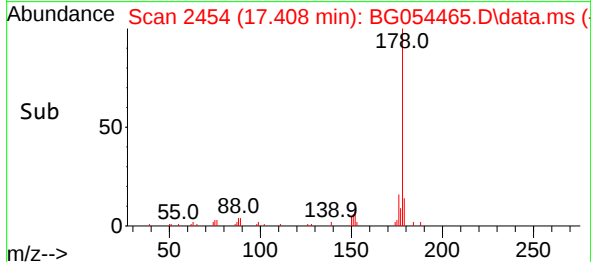
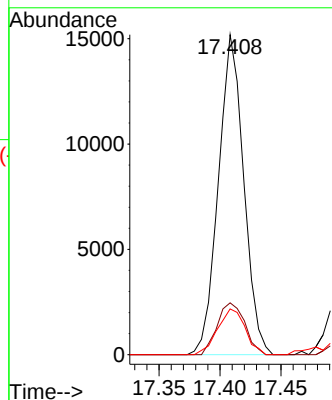
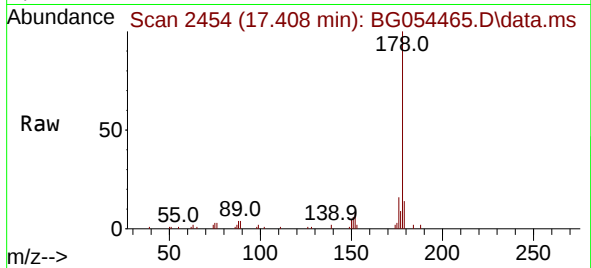




#71
Phenanthrene
Concen: 3.110 ng
RT: 17.408 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

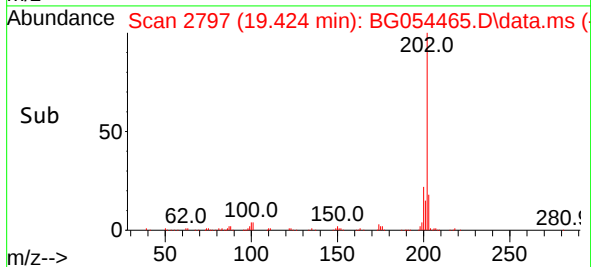
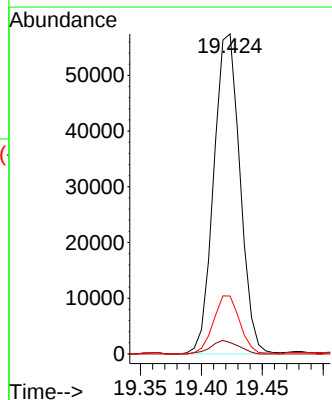
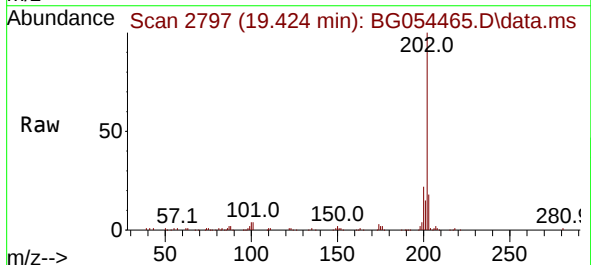
Instrument :
BNA_G
ClientSampleId :
RVE-30

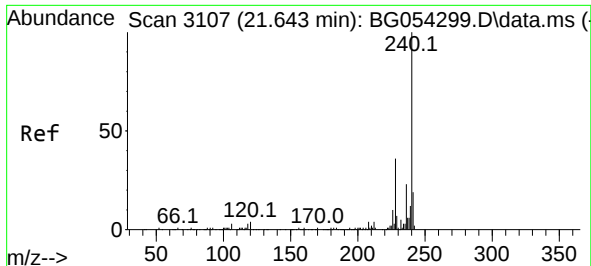
Tgt Ion:178 Resp: 21997
Ion Ratio Lower Upper
178 100
176 16.2 14.1 21.1
179 14.3 12.1 18.1



#75
Fluoranthene
Concen: 8.933 ng
RT: 19.424 min Scan# 2797
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion:202 Resp: 86130
Ion Ratio Lower Upper
202 100
101 3.6 0.0 26.9
203 18.1 0.0 37.2

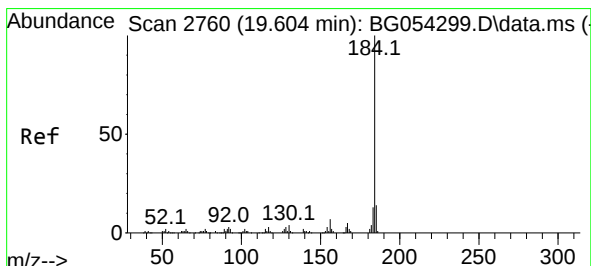
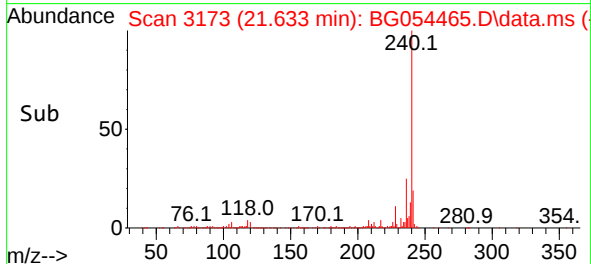
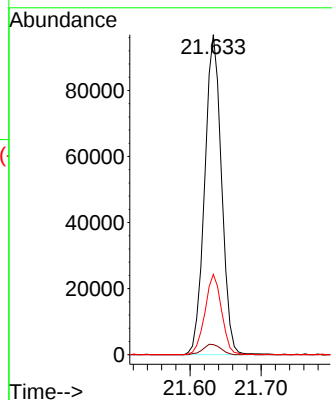
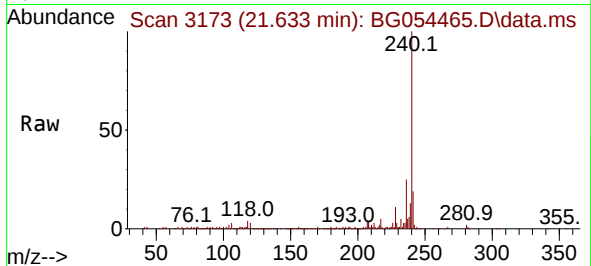




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

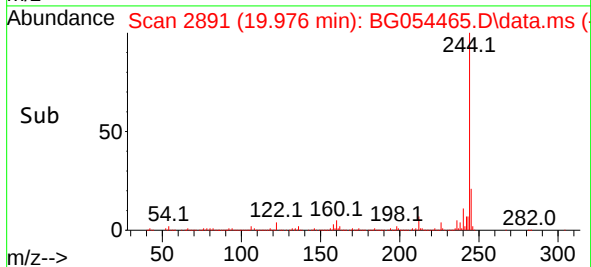
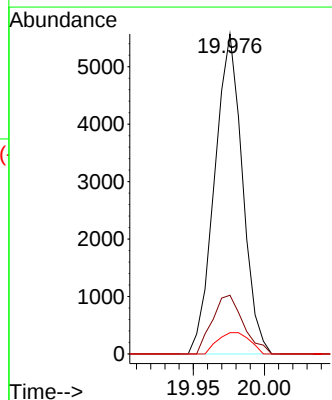
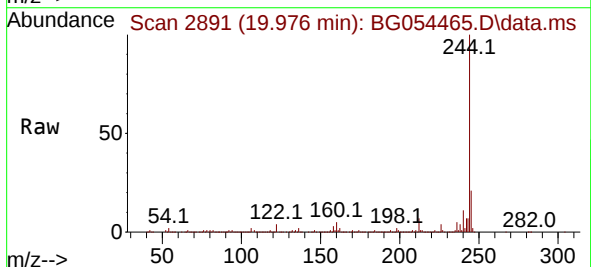
Instrument :
BNA_G
ClientSampleId :
RVE-30

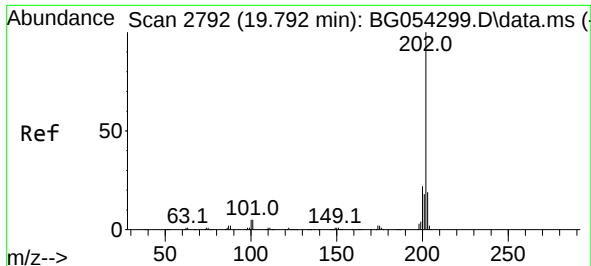
Tgt Ion:240 Resp: 159559
Ion Ratio Lower Upper
240 100
120 3.1 4.6 7.0#
236 25.1 20.2 30.4



#77
Benzidine
Concen: 2.621 ng
RT: 19.976 min Scan# 2891
Delta R.T. 0.377 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion:184 Resp: 7575
Ion Ratio Lower Upper
184 100
185 18.3 11.8 17.6#
183 6.6 8.9 13.3#

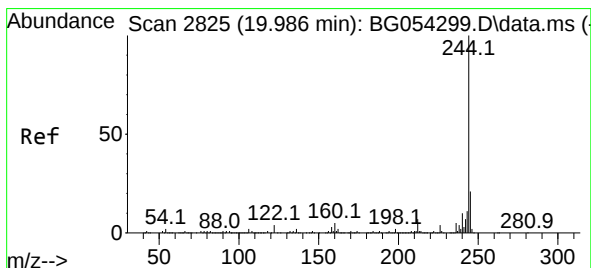
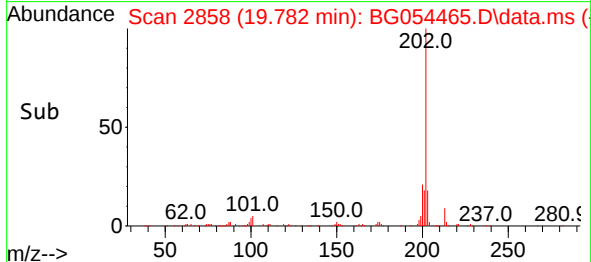
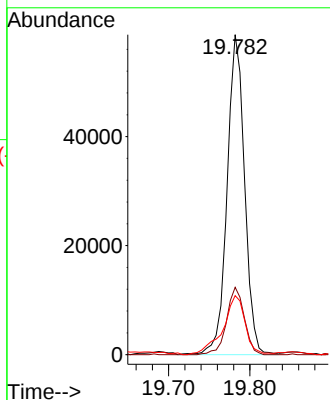
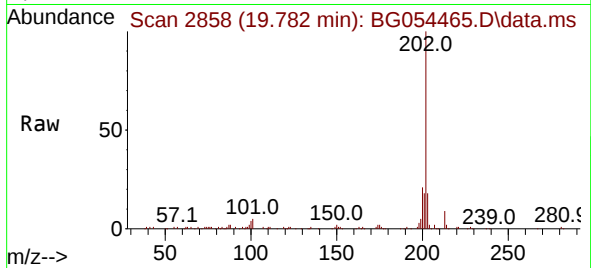




#78
 Pyrene
 Concen: 9.588 ng
 RT: 19.782 min Scan# 2858
 Delta R.T. -0.004 min
 Lab File: BG054465.D
 Acq: 1 Aug 2022 15:17

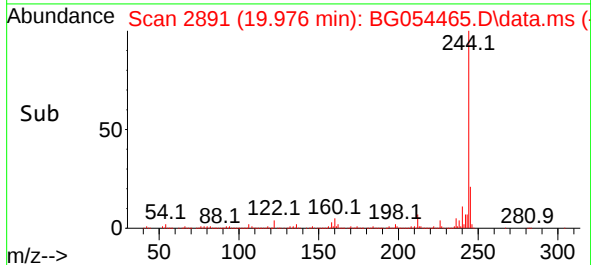
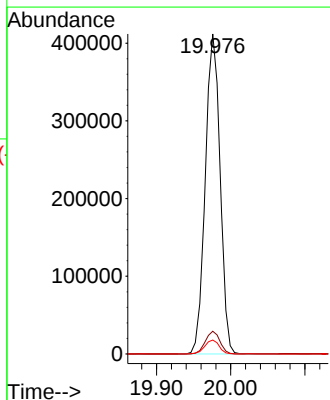
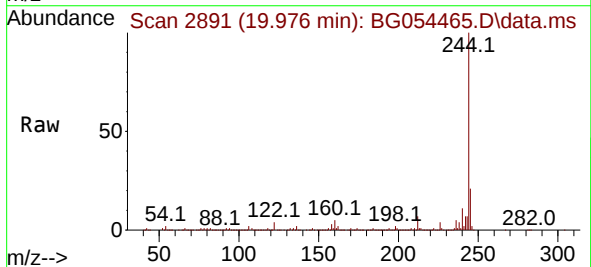
Instrument :
 BNA_G
 ClientSampleId :
 RVE-30

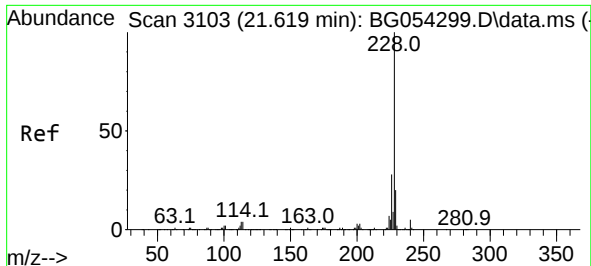
Tgt Ion:	202	Resp:	87784
Ion Ratio	Lower	Upper	
202	100		
200	21.1	16.6	24.8
203	18.4	14.6	21.8



#79
 Terphenyl-d14
 Concen: 71.154 ng
 RT: 19.976 min Scan# 2891
 Delta R.T. -0.004 min
 Lab File: BG054465.D
 Acq: 1 Aug 2022 15:17

Tgt Ion:	244	Resp:	572300
Ion Ratio	Lower	Upper	
244	100		
212	7.1	6.5	9.7
122	4.3	5.0	7.4

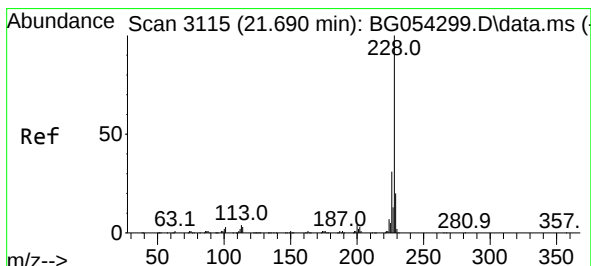
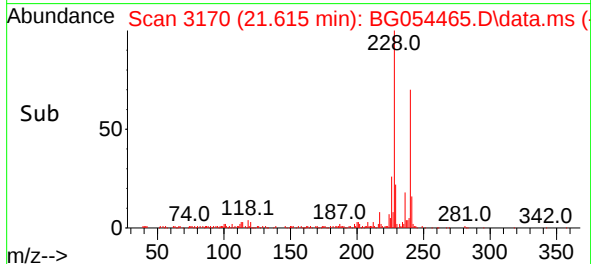
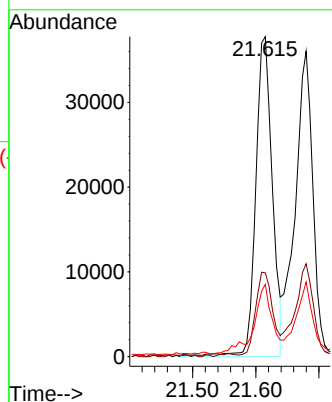
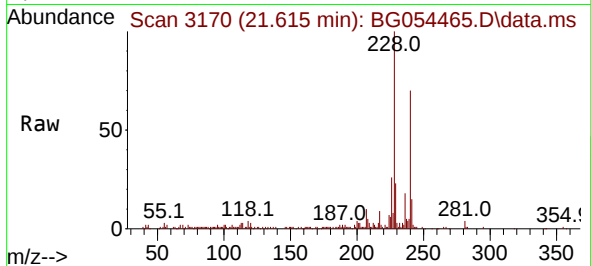




#81
Benzo(a)anthracene
Concen: 6.808 ng
RT: 21.615 min Scan# 3103
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

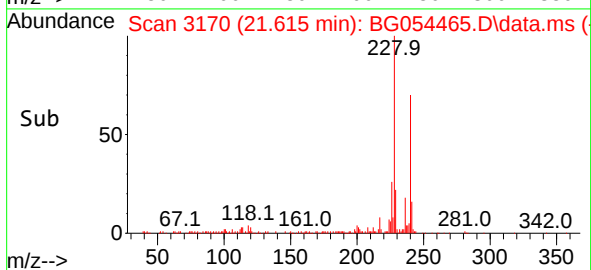
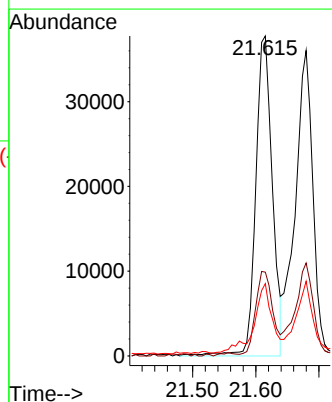
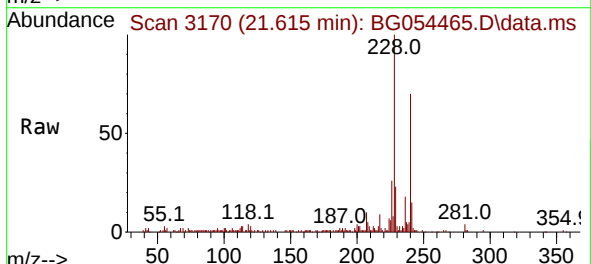
Instrument :
BNA_G
ClientSampleId :
RVE-30

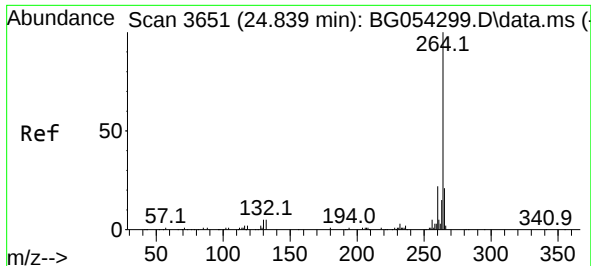
Tgt Ion:228 Resp: 68953
Ion Ratio Lower Upper
228 100
226 26.2 21.6 32.4
229 22.6 16.2 24.2



#83
Chrysene
Concen: 7.206 ng
RT: 21.615 min Scan# 3170
Delta R.T. -0.069 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion:228 Resp: 68953
Ion Ratio Lower Upper
228 100
226 26.2 23.4 35.2
229 22.6 15.5 23.3

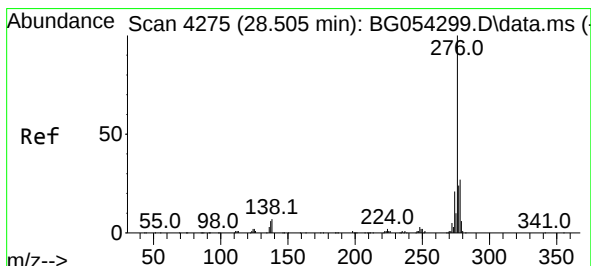
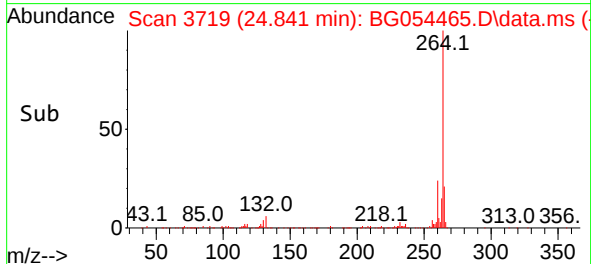
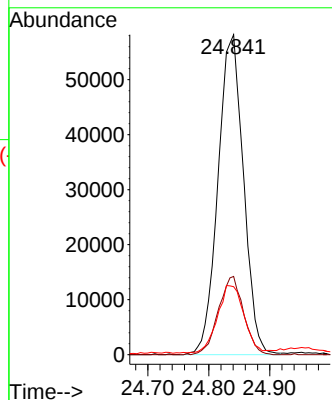
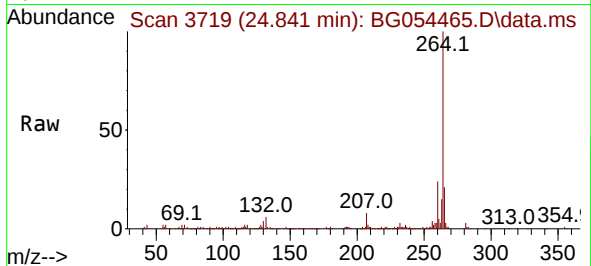




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.841 min Scan# 31
 Delta R.T. 0.007 min
 Lab File: BG054465.D
 Acq: 1 Aug 2022 15:17

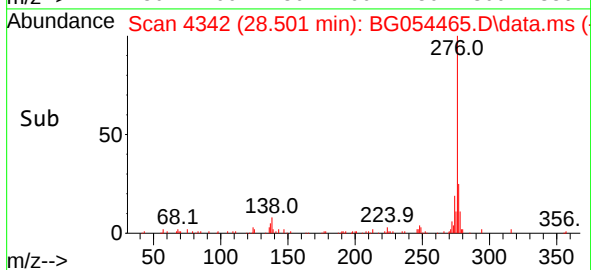
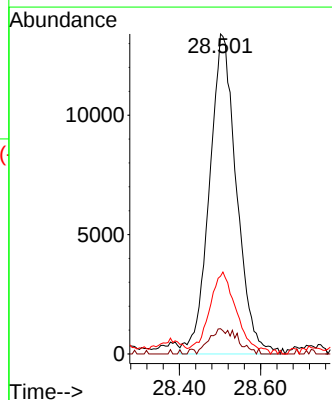
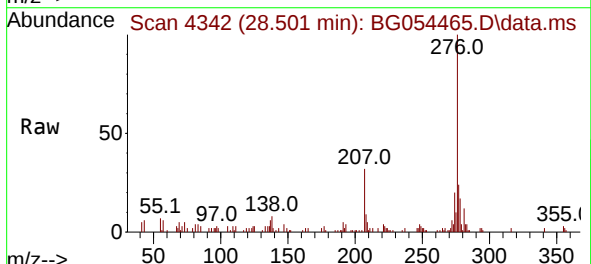
Instrument :
 BNA_G
 ClientSampleId :
 RVE-30

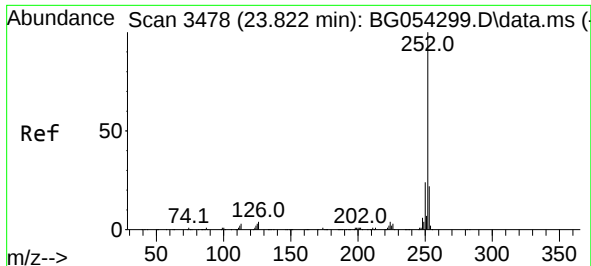
Tgt Ion:264 Resp: 169162
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.0 28.6
 265 21.3 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.819 ng
 RT: 28.501 min Scan# 4342
 Delta R.T. -0.016 min
 Lab File: BG054465.D
 Acq: 1 Aug 2022 15:17

Tgt Ion:276 Resp: 62014
 Ion Ratio Lower Upper
 276 100
 138 8.2 5.0 7.4#
 277 26.1 20.3 30.5

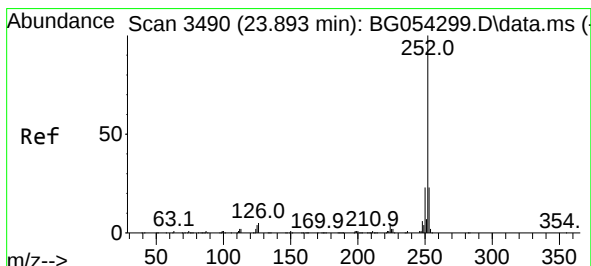
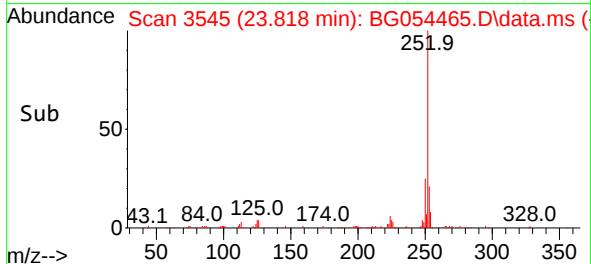
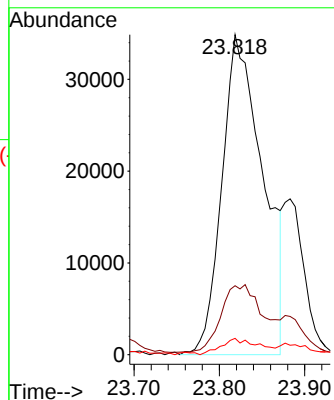
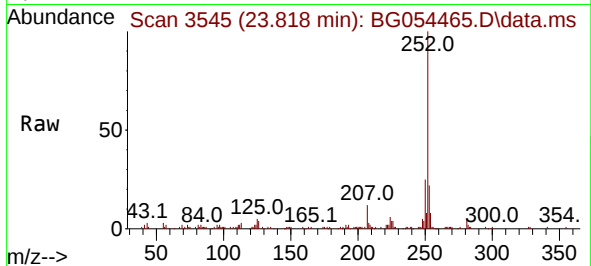




#88
Benzo(b)fluoranthene
Concen: 11.619 ng
RT: 23.818 min Scan# 3545
Delta R.T. -0.004 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

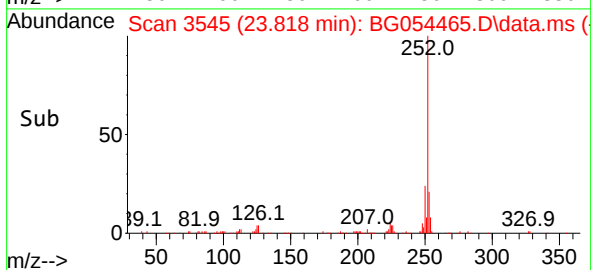
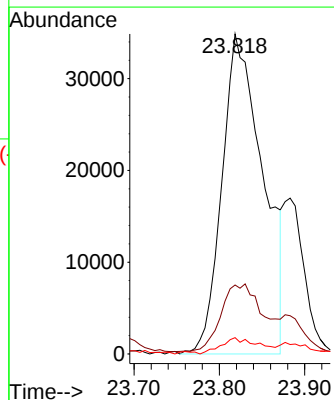
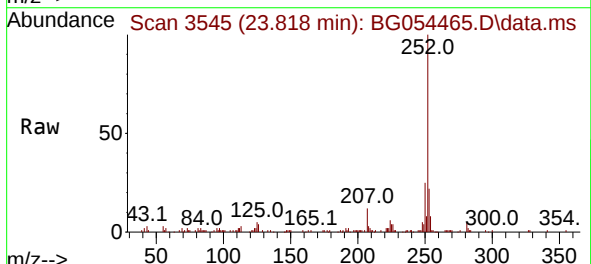
Instrument :
BNA_G
ClientSampleId :
RVE-30

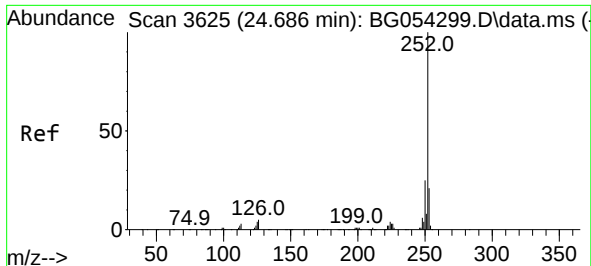
Tgt Ion:252 Resp: 116235
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 5.1 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 11.675 ng
RT: 23.818 min Scan# 3545
Delta R.T. -0.069 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion:252 Resp: 116235
Ion Ratio Lower Upper
252 100
253 21.6 18.4 27.6
125 5.1 4.8 7.2

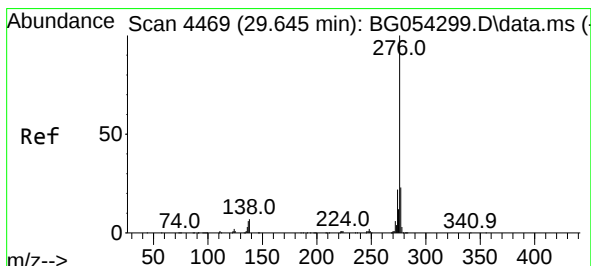
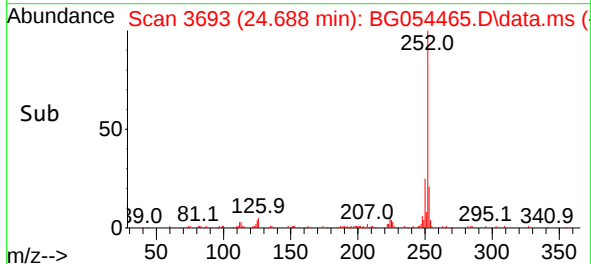
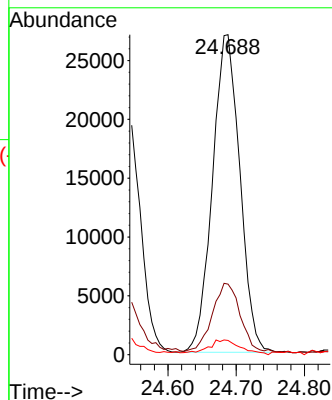
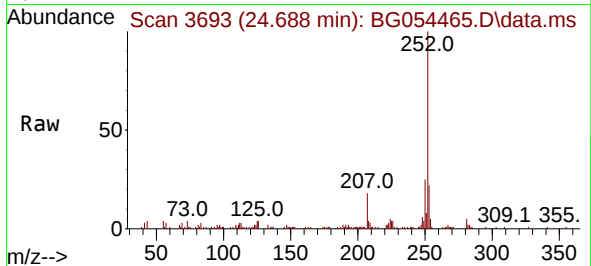




#90
Benzo(a)pyrene
Concen: 8.819 ng
RT: 24.688 min Scan# 30
Delta R.T. 0.001 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Instrument :
BNA_G
ClientSampleId :
RVE-30

Tgt Ion:252 Resp: 75347
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.8
125 4.5 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 6.014 ng
RT: 29.647 min Scan# 4537
Delta R.T. -0.016 min
Lab File: BG054465.D
Acq: 1 Aug 2022 15:17

Tgt Ion:276 Resp: 62811
Ion Ratio Lower Upper
276 100
277 23.7 17.3 25.9
138 6.0 9.6 14.4#

